Message

From: Strynar, Mark [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=5A9910D5B38E471497BD875FD329A20A-STRYNAR, MARK]
Sent: 7/9/2019 1:16:32 PM
To: Smeltz, Marci [smeltz.marci@epa.gov]
Subject: RE: Non-Tunable Smelly PFAS

I am around and can fit some time in this afternoon post 2 PM I think.

Mark

From: Smeltz, Marci
Sent: Tuesday, July 09, 2019 8:41 AM
To: Strynar, Mark <Strynar.Mark@epa.gov>
Subject: RE: Non-Tunable Smelly PFAS

Thanks for the info, Mark. If you have some free time later today, could I show you a few of the other PFAS that I'm struggling to get decent fragmentation on? I think some of them are more GC-able than LC-able.

Marci

From: Strynar, Mark
Sent: Tuesday, July 9, 2019 7:56 AM
To: Smeltz, Marci <smeltz.marci@epa.gov>
Subject: FW: Non-Tunable Smelly PFAS

FYI Marci. My Dupont (former) contact agrees these would both undergo the same reaction as HFPO-DA in DMSO.

Mark

From: Ex. 6 Personal Privacy (PP)
Sent: Tuesday, July 09, 2019 7:21 AM
To: Strynar, Mark <Strynar.Mark@epa.gov>
Subject: RE: Non-Tunable Smelly PFAS

Mark:

Under the conditions that n-$C_3F_7OCF(CF_3)COOH$ [Gen-X = HFPO dimer acid] decarboxylates to n-$C_3F_7OCFHCF_3$ I would expect the two compounds you write [HFPO trimer acid and HFPO tetramer acid] to undergo the same reaction at approximately the same rate. My assumption is that the system under consideration is homogeneous i.e. a single phase.

By the way the two compounds noted appear to be more hazardous than Gen-X. See the attached papers.

Paul

P.S. What do you know about the 14,000 ppt of C_4F_9COOH in chocolate cake as reported in C&EN a little while ago?

From: Strynar, Mark <Strynar.Mark@epa.gov>
Sent: Tuesday, July 9, 2019 6:56 AM
To: Ex. 6 Personal Privacy (PP) Paul Resnick Ex. 6 Personal Privacy (PP)
Subject: FW: Non-Tunable Smelly PFAS

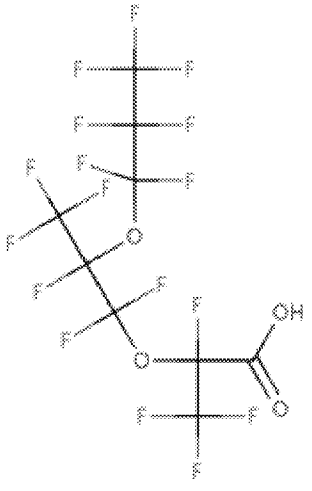
Hi Paul,

Hope all is well for you. Just wanted to ask you opinion if you think these two chemicals would undergo the same transformation as HFPO-DA in DMSO as we have seen before (the decarboxylation). I suspect yes based on our discussions, however I wanted to see what you thought. I think you said the longer the PFAS tail the faster the kinetics of transformation.

Mark

From: Smeltz, Marci
Sent: Monday, July 08, 2019 5:53 PM
To: Strynar, Mark <Strynar.Mark@epa.gov>
Cc: McMillan, Larry - RTP <McMillan.Larry-RTP@epa.gov>
Subject: Non-Tunable Smelly PFAS

Here are the two smelly, GenX-like compounds that I cannot see on either the triple quad or QToF.



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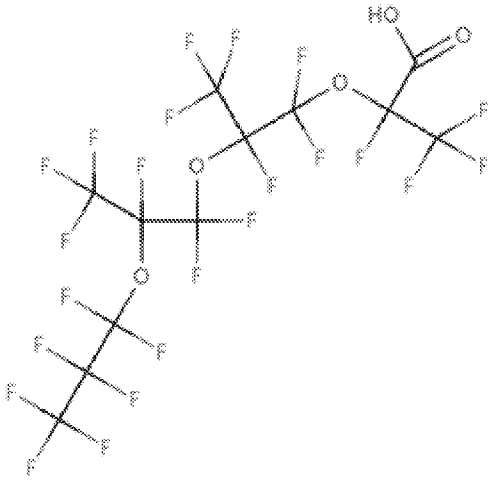

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